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TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * * Welcome to STN International * * * * * * * * * *

NEWS 1		Web Page for STN Seminar Schedule - N. America
NEWS 2	DEC 01	ChemPort single article sales feature unavailable
NEWS 3	APR 03	CAS coverage of exemplified prophetic substances enhanced
NEWS 4	APR 07	STN is raising the limits on saved answers
NEWS 5	APR 24	CA/CAplus now has more comprehensive patent assignee information
NEWS 6	APR 26	USPATFULL and USPAT2 enhanced with patent assignment/reassignment information
NEWS 7	APR 28	CAS patent authority coverage expanded
NEWS 8	APR 28	ENCOMPLIT/ENCOMPLIT2 search fields enhanced
NEWS 9	APR 28	Limits doubled for structure searching in CAS REGISTRY
NEWS 10	MAY 08	STN Express, Version 8.4, now available
NEWS 11	MAY 11	STN on the Web enhanced
NEWS 12	MAY 11	BEILSTEIN substance information now available on STN Easy
NEWS 13	MAY 14	DGENE, PCTGEN and USGENE enhanced with increased limits for exact sequence match searches and introduction of free HIT display format
NEWS 14	MAY 15	INPADOCDB and INPAFAMDB enhanced with Chinese legal status data
NEWS 15	MAY 28	CAS databases on STN enhanced with NANO super role in records back to 1992
NEWS 16	JUN 01	CAS REGISTRY Source of Registration (SR) searching enhanced on STN

NEWS EXPRESS MAY 26 09 CURRENT WINDOWS VERSION IS V8.4,
AND CURRENT DISCOVER FILE IS DATED 06 APRIL 2009.

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Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 15:10:04 ON 16 JUN 2009

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=> file reg
COST IN U.S. DOLLARS                                    SINCE FILE      TOTAL
                                                           ENTRY    SESSION
FULL ESTIMATED COST                                         0.22       0.22

FILE 'REGISTRY' ENTERED AT 15:10:17 ON 16 JUN 2009
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Property values tagged with IC are from the ZIC/VINITI data file
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STRUCTURE FILE UPDATES:   15 JUN 2009  HIGHEST RN 1158168-92-3
DICTIONARY FILE UPDATES:  15 JUN 2009  HIGHEST RN 1158168-92-3

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TSCA INFORMATION NOW CURRENT THROUGH January 9, 2009.

  Please note that search-term pricing does apply when
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predicted properties as well as tags indicating availability of
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http://www.cas.org/support/stngen/stndoc/properties.html

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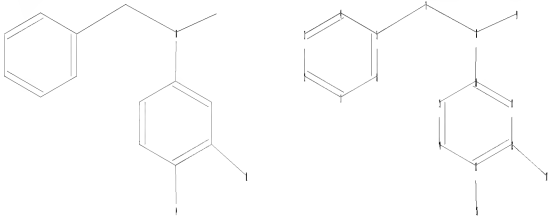

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7  8  9  16  17
ring nodes :
1  2  3  4  5  6  10  11  12  13  14  15
chain bonds :
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ring bonds :
1-2  1-6  2-3  3-4  4-5  5-6  10-11  10-15  11-12  12-13  13-14  14-15
exact/norm bonds :
7-8  8-9  8-10
exact bonds :
5-7  12-17  13-16
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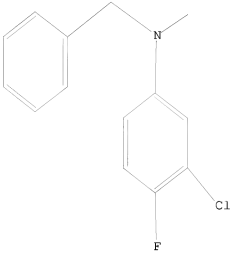
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6 10-11 10-15 11-12 12-13 13-14 14-15

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS 10:Atom
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:CLASS 17:CLASS

L1 STRUCTURE UPLOADED

=> d
L1 HAS NO ANSWERS
L1 STR



Structure attributes must be viewed using STN Express query preparation.

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SAMPLE SCREEN SEARCH COMPLETED - 100 TO ITERATE

100.0% PROCESSED 100 ITERATIONS 18 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 1401 TO 2599
PROJECTED ANSWERS: 106 TO 614

L2 18 SEA SSS SAM L1

=> d scan

L2 18 ANSWERS REGISTRY COPYRIGHT 2009 ACS on STN
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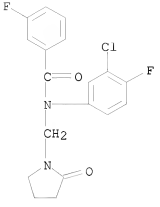
MF C18 H15 Cl F2 N2 O2



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):end

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FULL SEARCH INITIATED 15:10:53 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -     1873 TO ITERATE

100.0% PROCESSED     1873 ITERATIONS                                334 ANSWERS
SEARCH TIME: 00.00.01

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             0 PY<=2004
L4           0 L3 AND PY<=2004

=> s l3 and py<2005
'2005' NOT A VALID FIELD CODE
             0 PY<2005
L5           0 L3 AND PY<2005

=> file caplus
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                   187.32     187.54

FILE 'CAPLUS' ENTERED AT 15:12:51 ON 16 JUN 2009
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FILE COVERS 1907 - 16 Jun 2009 VOL 150 ISS 25
FILE LAST UPDATED: 15 Jun 2009 (20090615/ED)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Apr 2009
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Apr 2009

CAplus now includes complete International Patent Classification (IPC)
reclassification data for the third quarter of 2008.

CAS Information Use Policies apply and are available at:

http://www.cas.org/legal/infopolicy.html

This file contains CAS Registry Numbers for easy and accurate
substance identification.

=> d his

     (FILE 'HOME' ENTERED AT 15:10:04 ON 16 JUN 2009)

     FILE 'REGISTRY' ENTERED AT 15:10:17 ON 16 JUN 2009
L1   STRUCTURE UPLOADED
L2   18 S L1
L3   334 S L1 FULL
L4   0 S L3 AND PY<=2004
L5   0 S L3 AND PY<2005

     FILE 'CAPLUS' ENTERED AT 15:12:51 ON 16 JUN 2009

=> s l3 and py<=2004
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L6   367 L3 AND PY<=2004

=> s l6 and kinesis
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L7   0 L6 AND KINESIS

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L8   0 L6 AND KINESIN

=> s l6 and inhibitor
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       608439 INHIBITORS
       955509 INHIBITOR
                (INHIBITOR OR INHIBITORS)
L9   14 L6 AND INHIBITOR

=> d l9 abs ibib hitstr 1-
YOU HAVE REQUESTED DATA FROM 14 ANSWERS - CONTINUE? Y/(N):y

L9   ANSWER 1 OF 14 CAPLUS COPYRIGHT 2009 ACS on STN
AB   The invention discloses combination therapy comprising the administration
     of an 11β-hydroxysteroid dehydrogenase type 1 inhibitor and
     an antihypertensive agent useful for treating, preventing and reducing the
     risk of developing insulin resistance, dyslipidemia, obesity, hypertension
     and other related diseases and disorders.

ACCESSION NUMBER: 2004:878302 CAPLUS
DOCUMENT NUMBER: 141:360694
TITLE: Combination therapy using an 11β-hydroxysteroid dehydrogenase type 1 inhibitor and an antihypertensive agent for the treatment of metabolic syndrome and related diseases and disorders
INVENTOR(S): Kampen, Gita Camilla Tejlgaard; Andersen, Henrik Sune
PATENT ASSIGNEE(S): Novo Nordisk A/S, Den.
SOURCE: PCT Int. Appl., 297 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 7
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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EP 2004-725884	A3	20040406
EP 2004-725887	A3	20040406
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EP 2004-725889	A3	20040406
EP 2004-725890	A3	20040406
WO 2004-DK254	W	20040406
US 2005-254125	A1	20051011

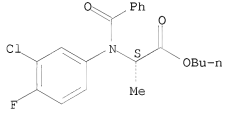
OTHER SOURCE(S): MARPAT 141:360694

IT 778585-49-2 778585-50-5
RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(hydroxysteroid dehydrogenase inhibitor-antihypertensive agent combination for treatment of metabolic syndrome and related conditions)

RN 778585-49-2 CAPLUS

CN L-Alanine, N-benzoyl-N-(3-chloro-4-fluorophenyl)-, butyl ester (CA INDEX NAME)

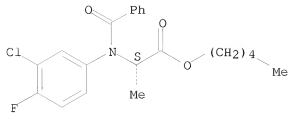
Absolute stereochemistry.



RN 778585-50-5 CAPLUS

CN L-Alanine, N-benzoyl-N-(3-chloro-4-fluorophenyl)-, pentyl ester (CA INDEX NAME)

Absolute stereochemistry.



L9 ANSWER 2 OF 14 CAPLUS COPYRIGHT 2009 ACS on STN

AB The invention discloses combination therapy comprising the administration of an 11β-hydroxysteroid dehydrogenase type 1 inhibitor and a glucocorticoid receptor agonist for treating some forms of cancer, diseases and disorders having inflammation as a component, and to minimize the side effects associated with glucorticoid receptor agonist therapy.

ACCESSION NUMBER: 2004:878301 CAPLUS
DOCUMENT NUMBER: 141:360721
TITLE: Combination therapy using an 11β-hydroxysteroid dehydrogenase type 1 inhibitor and a glucocorticoid receptor agonist to treat cancer and inflammation-associated diseases and to minimize the side effects associated with glucocorticoid receptor agonist therapy
INVENTOR(S): Kampen, Gita Camilla Tejlgaard; Andersen, Henrik Sune
PATENT ASSIGNEE(S): Novo Nordisk A/S, Den.
SOURCE: PCT Int. Appl., 305 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 7
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 2004089415	A3	20050310		
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EP 1854487 A2 20071114 EP 2007-114939 20040406

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EP 1862181 A2 20071205 EP 2007-115299 20040406

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US 20060094699 A1 20060504 US 2005-246814 20051007

PRIORITY APPLN. INFO.:

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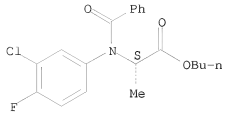
OTHER SOURCE(S): MARPAT 141:360721

IT 778585-49-2 778585-50-5
RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(hydroxysteroid dehydrogenase inhibitor-glucocorticoid agonist combination to treat cancer and inflammation-associated diseases and minimize side effects associated with glucocorticoid agonist therapy)

RN 778585-49-2 CAPLUS

CN L-Alanine, N-benzoyl-N-(3-chloro-4-fluorophenyl)-, butyl ester (CA INDEX NAME)

Absolute stereochemistry.



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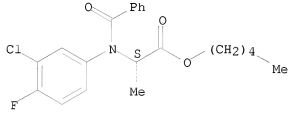
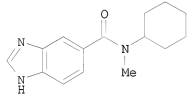
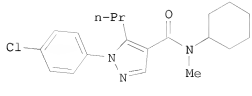
Absolute stereochemistry.



L9 ANSWER 3 OF 14 CAPLUS COPYRIGHT 2009 ACS on STN
GI



II



III

AB The invention is directed to the use of substituted amides of formula R3CONR1R2 (I), and their optical isomers or mixture of optical isomers, including racemates, and tautomers, their prodrugs, pharmaceutically acceptable salts, [wherein R1 = (un)substituted cyclo/hetcyclo/aryl/hetaryl/alkyl, het/aryl, etc.; R2 = H, (un)substituted

aryl/cycloalkyl/alkylcarboxy/alkyl, het/aryl; or R1NR2 = (un)substituted (un)saturated bi/tricyclic ring containing 4-10 carbons, and 0-2 heteroatoms; R3 = (un)substituted cyclo/hetcyclo/aryl/alkyloxy/hetaryl/arylalkyl/alkyl, alkenyl, alkynyl, het/aryl] for modulating, especially inhibiting, the activity of 11β-hydroxysteroid dehydrogenase type 1 (11β-HSD1) and use of their pharmaceutical compns. in the treatment, prevention, prophylaxis of a range of medical disorders where a decreased intracellular concentration of active glucocorticoid is desirable. The invention is also directed to the preparation of certain title compds. I. For instance, acylation of 1H-benzimidazole-5-carboxylic acid with N-cyclohexyl-N-methylamine in THF in the presence of HOBT/EDAC/DIPEA gave amide II in 49% yield. Pyrazole-4-carboxamide (III) inhibited 11β-HSD1 enzyme with an IC50 = 0.04 μM. I are useful for treating metabolic disorders, type II diabetes, impaired glucose tolerance, impaired fasting glucose, dyslipidemia, obesity, hypertension, diabetic late complications, neurodegenerative and psychiatric disorders and adverse effects of treatment or therapy with glucocorticoid receptor agonists.

ACCESSION NUMBER: 2004:872724 CAPLUS
DOCUMENT NUMBER: 141:366223
TITLE: Pharmaceutical use of substituted amides as 11β-hydroxysteroid dehydrogenase type 1 modulators, especially inhibitors, for treating metabolic
INVENTOR(S): Andersen, Henrik Sune; Kampen, Gita Camilla Tejlgaard; Christensen, Inge Thoger; Mogensen, John Patrick; Larsen, Annette Rosendal; Kilburn, John Paul
PATENT ASSIGNEE(S): Novo Nordisk A/S, Den.
SOURCE: PCT Int. Appl., 236 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 7
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004089470	A2	20041021	WO 2004-DK250	20040406 <--
WO 2004089470	A3	20041223		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1615698	A2	20060118	EP 2004-725891	20040406
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, HR				
JP 2006522746	T	20061005	JP 2006-504353	20040406
EP 1787982	A2	20070523	EP 2007-102177	20040406
EP 1787982	A3	20070530		
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LI, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR				
EP 1854487	A2	20071114	EP 2007-114939	20040406
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LI, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR				
EP 1862181	A2	20071205	EP 2007-115299	20040406

R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LI, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR

US 20060111366	A1	20060525	US 2005-265794		20051011
US 20080108598	A1	20080508	US 2008-6765		20080103
PRIORITY APPLN. INFO.:			DK 2003-565	A	20030411
			US 2003-467800P	P	20030502
			DK 2003-972	A	20030627
			DK 2003-988	A	20030630
			DK 2003-989	A	20030630
			DK 2003-990	A	20030630
			DK 2003-998	A	20030702
			US 2003-486078P	P	20030710
			US 2003-486094P	P	20030710
			US 2003-486095P	P	20030710
			US 2003-486097P	P	20030710
			US 2003-486098P	P	20030710
			DK 2003-1910	A	20031222
			DK 2004-9	A	20040106
			US 2004-537099P	P	20040116
			DK 2003-566	A	20030411
			DK 2003-567	A	20030411
			DK 2003-568	A	20030411
			DK 2003-569	A	20030411
			DK 2003-570	A	20030411
			DK 2003-571	A	20030411
			US 2003-467284P	P	20030502
			US 2003-467362P	P	20030502
			US 2003-467363P	P	20030502
			US 2003-467437P	P	20030502
			US 2003-467443P	P	20030502
			US 2003-467453P	P	20030502
			DK 2003-776	A	20030522
			DK 2003-777	A	20030522
			DK 2003-778	A	20030522
			US 2003-474421P	P	20030530
			US 2003-475157P	P	20030602
			US 2003-475195P	P	20030602
			EP 2004-725887	A3	20040406
			EP 2004-725888	A3	20040406
			EP 2004-725890	A3	20040406
			WO 2004-DK250	W	20040406
			US 2005-265794	B1	20051011

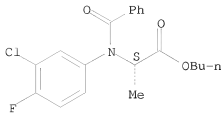
OTHER SOURCE(S): MARPAT 141:366223

IT 778585-49-2P, 2-[(Benzoyl)(3-chloro-4-fluorophenyl)amino]propionic acid butyl ester 778585-50-5P, 2-[(Benzoyl)(3-chloro-4-fluorophenyl)amino]propionic acid pentyl ester
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(drug candidate; preparation of substituted amides as 11β-hydroxysteroid dehydrogenase type 1 modulators, especially inhibitors, for treating metabolic disorders, type II diabetes and related diseases)

RN 778585-49-2 CAPLUS

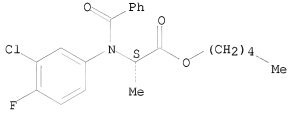
CN L-Alanine, N-benzoyl-N-(3-chloro-4-fluorophenyl)-, butyl ester (CA INDEX NAME)

Absolute stereochemistry.



RN 778585-50-5 CAPLUS
CN L-Alanine, N-benzoyl-N-(3-chloro-4-fluorophenyl)-, pentyl ester (CA INDEX NAME)

Absolute stereochemistry.



L9 ANSWER 4 OF 14 CAPLUS COPYRIGHT 2009 ACS on STN
AB A herbicidal mixture comprises: (A) a 3-heterocyclyl-substituted benzoyl derivative selected from 4-[2-chloro-3-(3-methylisoxazol-5-yl)-4-methylsulfonylbenzoyl]-1-methyl-5-hydroxy-1H-pyrazole, 4-[2-methyl-3-(3-methyl-isoxazol-5-yl)-4-methylsulfonylbenzoyl]-1-methyl-5-hydroxy-1H-pyrazole and 4-[2-methyl-3-(4,5-dihydroisoxazol-3-yl)-4-methylsulfonylbenzoyl]-1-methyl-5-hydroxy-1H-pyrazole or one of its environmentally compatible salts; (B) a safening effective amount of cloquintocet, or its environmentally compatible salts, amides, esters and hydrates; and, if desired, at least one herbicidal compound from the group of the acetyl-CoA carboxylase inhibitors (ACC), acetolactate synthase inhibitors (ALS), amides, auxin herbicides, auxin transport inhibitors, carotenoid biosynthesis inhibitors , enolpyruvylshikimate 3-phosphate synthase inhibitors (EPSPS), glutamine synthetase inhibitors, lipid biosynthesis inhibitors, mitosis inhibitors, protoporphyrinogen IX oxidase inhibitors, photosynthesis inhibitors, synergists, growth substances, cell wall biosynthesis inhibitors and a variety of other herbicides.

ACCESSION NUMBER:	2004:775849 CAPLUS
DOCUMENT NUMBER:	141:255885
TITLE:	Safened herbicidal compositions containing cloquintocet.
INVENTOR(S):	Witschel, Matthias; Landes, Andreas; Sievernich, Bernd
PATENT ASSIGNEE(S):	BASF Aktiengesellschaft, Germany
SOURCE:	PCT Int. Appl., 44 pp. CODEN: PIXXD2
DOCUMENT TYPE:	Patent
LANGUAGE:	English
FAMILY ACC. NUM. COUNT:	1
PATENT INFORMATION:	

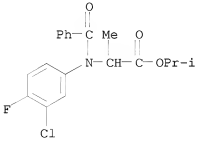
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE

WO 2004080172 A2 20040923 WO 2004-EP2434 20040310 <--
WO 2004080172 A3 20041125
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
AU 2004218845 A1 20040923 AU 2004-218845 20040310 <--
CA 2518758 A1 20040923 CA 2004-2518758 20040310 <--
EP 1605759 A2 20051221 EP 2004-718955 20040310
EP 1605759 B1 20060823
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK
BR 2004008210 A 20060214 BR 2004-8210 20040310
CN 1761393 A 20060419 CN 2004-80006862 20040310
CN 1315381 C 20070516
JP 2006520347 T 20060907 JP 2006-504613 20040310
AT 336899 T 20060915 AT 2004-718955 20040310
ES 2270360 T3 20070401 ES 2004-718955 20040310
NZ 542737 A 20090430 NZ 2004-542737 20040310
IL 170302 A 20090615 IL 2004-170302 20040310
MX 2005008783 A 20051018 MX 2005-8783 20050818
ZA 2005008231 A 20070228 ZA 2005-8231 20051012
IN 2005CN02627 A 20070406 IN 2005-CN2627 20051013
PRIORITY APPLN. INFO.: US 2003-453976P P 20030313
WO 2004-EP2434 W 20040310

IT 52756-22-6D, Flamprop-isopropyl, mixts. containing cloquintocet and 52756-25-9D, Flamprop-methyl, mixts. containing cloquintocet and
RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
(safened herbicidal compns.)

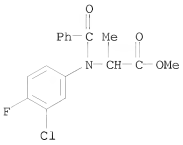
RN 52756-22-6 CAPLUS

CN Alanine, N-benzoyl-N-(3-chloro-4-fluorophenyl)-, 1-methylethyl ester (CA INDEX NAME)



RN 52756-25-9 CAPLUS

CN Alanine, N-benzoyl-N-(3-chloro-4-fluorophenyl)-, methyl ester (CA INDEX NAME)



REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 5 OF 14 CAPLUS COPYRIGHT 2009 ACS on STN
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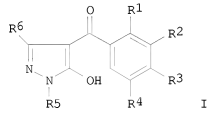
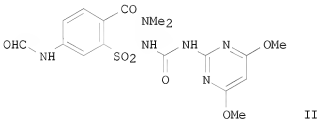


I



II

AB A synergistic herbicidal mixture comprises: (a) at least one 3-heterocyclyl-substituted benzoyl derivative I (Markush included); and (b) a synergistically effective amount of the compound II, or one of its environmentally compatible salts; and, if desired, (c) at least one further herbicidal compound; and, if desired, (d) at least a safener.

ACCESSION NUMBER: 2004:41187 CAPLUS
DOCUMENT NUMBER: 140:89300
TITLE: Synergistic herbicidal mixtures comprising benzoyl derivatives and pyrimidine derivatives
INVENTOR(S): O'Neal, William B.; Kibler, Elmar; Witschel, Matthias; Vantieghem, Herve R.
PATENT ASSIGNEE(S): Basf Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 68 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

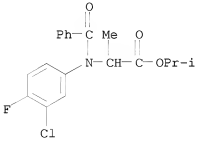
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004004463	A1	20040115	WO 2003-EP7321	20030708 <--
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2490499	A1	20040115	CA 2003-2490499	20030708 <--
AU 2003281252	A1	20040123	AU 2003-281252	20030708 <--
EP 1521529	A1	20050413	EP 2003-740437	20030708
EP 1521529	B1	20070328		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
BR 2003012497	A	20050510	BR 2003-12497	20030708
CN 1668199	A	20050914	CN 2003-816286	20030708
JP 2005532382	T	20051027	JP 2004-518742	20030708
AT 357851	T	20070415	AT 2003-740437	20030708
ES 2285144	T3	20071116	ES 2003-740437	20030708
MX 2005000049	A	20050408	MX 2005-49	20050103
US 20060166828	A1	20060727	US 2005-519978	20050103
ZA 2005001078	A	20061025	ZA 2005-1078	20050207
PRIORITY APPLN. INFO.:			US 2002-393740P P	20020708
			WO 2003-EP7321 W	20030708

OTHER SOURCE(S): MARPAT 140:89300

IT 52756-22-6, Flamprop-isopropyl 52756-25-9, Flamprop-methyl
RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)
(in synergistic herbicidal mixts. comprising benzoyl derivs. and pyrimidine derivs.)

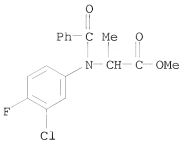
RN 52756-22-6 CAPLUS

CN Alanine, N-benzoyl-N-(3-chloro-4-fluorophenyl)-, 1-methylethyl ester (CA INDEX NAME)



RN 52756-25-9 CAPLUS

CN Alanine, N-benzoyl-N-(3-chloro-4-fluorophenyl)-, methyl ester (CA INDEX NAME)



REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 6 OF 14 CAPLUS COPYRIGHT 2009 ACS on STN
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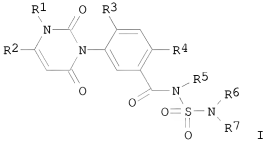

I

AB Herbidically active compns., comprise: (A) at least one phenyluracil compound I (R1 = Me, or NH2; R2 = C1-C2-haloalkyl; R3 = H, or halo; R4 = halo, or cyano; R5 = H, cyano, C1-C6-alkyl, C1-C6-alkoxy, C1-C4-alkoxy-C1-C4-alkyl, C3-C7-cycloalkyl, C3-C6-alkenyl, C3-C6-alkynyl, or (un)substituted benzyl; R6, R7 = H, (un)substituted C1-C6-alkyl, C1-C6-alkoxy, C3-C6-alkenyl, C3-C6-alkynyl, C3-C7-cycloalkyl, C3-C7-cycloalkenyl, Ph or benzyl) and/or at least one of its agriculturally acceptable salts; and at least one further active compound, selected from (B) herbicides of classes (b1) to (b15): (b1) lipid biosynthesis inhibitors; (b2) acetolactate synthase inhibitors (ALS inhibitors); (b3) photosynthesis inhibitors; (b4) protoporphyrinogen-IX oxidase inhibitors ; (b5) bleacher herbicides; (b6) enolpyruvyl shikimate 3-phosphate synthase inhibitors (EPSP inhibitors); (b7) glutamine synthetase inhibitors; (b8) 7,8-dihydropteroate synthase inhibitors (DHP inhibitors); (b9) mitosis inhibitors; (b10) inhibitors of the synthesis of very long chain fatty acids (VLCFA inhibitors); (b11) cellulose biosynthesis inhibitors; (b12) decoupler herbicides; (b13) auxin herbicides; (b14) auxin transport inhibitors; (b15) other herbicides. The herbicides in (b15) are selected from the group consisting of benzoylprop, flamprop, flamprop-M, bromobutide, chlorflurenol, cinmethylin, methyldymron, etobenzanid, fosamine, metam, pyributicarb, oxaziclomefone, dazomet, triaziflam and Me bromide. The compns. based on 3-phenyluracils I may also include safeners selected from benoxacor, cloquintocet, cyometrinil, dichlormid, dicyclonon, dietholate, fenchlorazole, fenclorim, flurazole, fluxofenim, furilazole, isoxadifen,

mefenpyr, mephenate, naphthalic anhydride, 2,2,5-trimethyl-3-(dichloroacetyl)-1,3-oxazolidine, 4-(dichloroacetyl)-1-oxa-4-azaspiro[4.5]decane and oxabetrinil, and agriculturally acceptable salts of the active compds.

ACCESSION NUMBER: 2003:242096 CAPLUS
DOCUMENT NUMBER: 138:267186
TITLE: Herbicidal mixtures based on 3-phenyluracils
INVENTOR(S): Zagar, Cyrill; Sievernich, Bernd; Quakenbush, Laura; Evans, Richard R.; Landes, Max; Newsom, Larry J.; Ortlip, Charles L.; Witschel, Matthias; Landes, Andreas
PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 84 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
WO 2003024221	A1	20030327	WO 2002-EP10136	20020910	<--
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW					
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG					
CA 2460088	A1	20030327	CA 2002-2460088	20020910	<--
AU 2002342671	A1	20030401	AU 2002-342671	20020910	<--
EP 1429609	A1	20040623	EP 2002-779329	20020910	<--
EP 1429609	B1	20070307			
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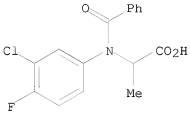
BR 2002012460	A	20041019	BR 2002-12460	20020910	<--
CN 1555219	A	20041215	CN 2002-817977	20020910	<--
JP 2005502715	T	20050127	JP 2003-528125	20020910	
JP 4237622	B2	20090311			
HU 2004002256	A2	20050329	HU 2004-2256	20020910	
HU 2004002256	A3	20051128			
NZ 531486	A	20050826	NZ 2002-531486	20020910	
AT 355747	T	20070315	AT 2002-779329	20020910	
ES 2281550	T3	20071001	ES 2002-779329	20020910	
TW 252078	B	20060401	TW 2002-91120878	20020912	
MX 2004002087	A	20040607	MX 2004-2087	20040304	<--
US 20040235665	A1	20041125	US 2004-488977	20040309	<--
US 7375058	B2	20080520			
NO 2004001031	A	20040311	NO 2004-1031	20040311	<--
IN 2004CN00546	A	20051223	IN 2004-CN546	20040312	
ZA 2004002791	A	20050413	ZA 2004-2791	20040413	
HR 2004000337	B1	20070930	HR 2004-337	20040413	

PRIORITY APPLN. INFO.:			
	US 2001-318834P	P	20010914
	US 2001-333135P	P	20011127
	WO 2002-EP10136	W	20020910

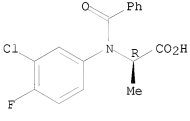
OTHER SOURCE(S): MARPAT 138:267186
IT 58667-63-3D, Flamprop, mixts. with 3-phenyluracil derivs.
90134-59-1D, Flamprop-M, mixts. with 3-phenyluracil derivs.
RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL

(Biological study); USES (Uses)
(herbicidal compns. containing)
RN 58667-63-3 CAPLUS
CN Alanine, N-benzoyl-N-(3-chloro-4-fluorophenyl)- (CA INDEX NAME)



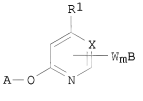
RN 90134-59-1 CAPLUS
CN D-Alanine, N-benzoyl-N-(3-chloro-4-fluorophenyl)- (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 7 OF 14 CAPLUS COPYRIGHT 2009 ACS on STN
GI



AB The efficacy of a herbicidal compound I (Markush included) is increased by applying an effective amount of said herbicidal compound directly to the soil in the form of a solid granule, which contains said herbicidal compound and at least one inert solid carrier. Solid granular compns. of herbicidal compds. I and at least one inert solid carrier are provided, as well as methods for the use of said compns. in the control of weeds.

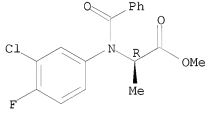
ACCESSION NUMBER: 2001:935332 CAPLUS
DOCUMENT NUMBER: 136:33335
TITLE: Enhancement of the activity of carotenoid biosynthesis inhibitor herbicides by applying them directly to soil with inert solid carrier
INVENTOR(S): Aven, Michael; Brandt, Astrid; Nelgen, Norbert
PATENT ASSIGNEE(S): Basf Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 22 pp.
CODEN: PIXXD2

DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001097613	A2	20011227	WO 2001-EP7109	20010622 <--
WO 2001097613	A3	20020502		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
US 20020039968	A1	20020404	US 2001-865023	20010524 <--
US 6894003	B2	20050517		
EP 1292191	A2	20030319	EP 2001-965026	20010622 <--
EP 1292191	B1	20050302		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
AT 289751	T	20050315	AT 2001-965026	20010622
PRIORITY APPLN. INFO.:			US 2000-213819P P	20000623
			US 2000-222535P P	20000802
			WO 2001-EP7109 W	20010622

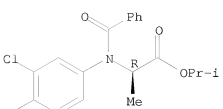
OTHER SOURCE(S): MARPAT 136:33335
IT 63729-98-6, Flamprop-M-methyl 63782-90-1, Flamprop-M-isopropyl
RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
(in composition containing carotenoid biosynthesis inhibitor herbicide and inert solid carrier)
RN 63729-98-6 CAPLUS
CN D-Alanine, N-benzoyl-N-(3-chloro-4-fluorophenyl)-, methyl ester (CA INDEX NAME)

Absolute stereochemistry.



RN 63782-90-1 CAPLUS
CN D-Alanine, N-benzoyl-N-(3-chloro-4-fluorophenyl)-, 1-methylethyl ester (CA INDEX NAME)

Absolute stereochemistry.



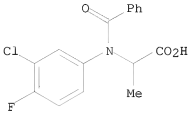
REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 8 OF 14 CAPLUS COPYRIGHT 2009 ACS on STN

AB Three Avena fatua (wild oat) populations resistant to imazamethabenz, flamprop, and fenoxaprop-P were identified from the northwest agricultural region of Manitoba, Canada. These populations were identified after producer reports of failure of imazamethabenz to provide satisfactory control in the field. Although these A. fatua populations had previously been exposed to other herbicides, primarily ACCase inhibitors, imazamethabenz had never before been applied. In growth room expts., resistant (R) plants were 7.2 and 8.7 times more resistant to imazamethabenz and flamprop, resp., than susceptible (S) plants, as measured by the ratio of dosages required to inhibit shoot dry matter accumulation by 50% (GR50 R/S). The 3 populations did not differ significantly ($P < 0.05$) in levels of resistance to imazamethabenz. Similarly, the populations did not differ in levels of resistance to flamprop. The populations differed in their response to fenoxaprop-P; levels of resistance for two populations were 2.0-fold, while the remaining population was 2.9-fold. An experiment conducted in 1995 in one of the infested fields confirmed multiple herbicide resistance, with A. fatua panicle nos. in August being 36, 128, and 44% of untreated controls, at recommended dosages of imazamethabenz, flamprop, and fenoxaprop-P, resp. Three addnl. populations of A. fatua with multiple herbicide resistance from other areas of Manitoba were identified in a 1996 field experiment For the six A. fatua populations in the 1996 experiment with multiple herbicide resistance, panicle nos. expressed as a percentage of the untreated controls varied from 44 to 77% for imazamethabenz, 57 to 83% for flamprop, and 43 to 88% for fenoxaprop-P (com. recommended dosage of each herbicide). Multiple herbicide resistance in A. fatua is not rare; screening of A. fatua seed samples from across Manitoba and Saskatchewan has identified a number of addnl. R populations. The evolution of herbicide resistance in the absence of direct selection is a very serious development as producers with multiple herbicide resistance in A. fatua are left with a very limited number of herbicide options for selective control in crops commonly grown in western Canada.

ACCESSION NUMBER: 2000:723010 CAPLUS
DOCUMENT NUMBER: 133:318499
TITLE: Identification of Avena fatua populations resistant to imazamethabenz, flamprop, and fenoxaprop-P
AUTHOR(S): Friesen, Lyle F.; Jones, Tammy L.; Van Acker, Rene C.; Morrison, Ian N.
CORPORATE SOURCE: Department of Plant Science, University of Manitoba, Winnipeg, MB, R3T 2N2, Can.
SOURCE: Weed Science (2000), 48(5), 532-540
CODEN: WEESA6; ISSN: 0043-1745
PUBLISHER: Weed Science Society of America
DOCUMENT TYPE: Journal
LANGUAGE: English
IT 58667-63-3, Flamprop
RL: ADV (Adverse effect, including toxicity); AGR (Agricultural use); BIOL

(Biological study); USES (Uses)
(Avena fatua resistant to imazamethabenz, flamprop, and fenoxaprop-P)
RN 58667-63-3 CAPLUS
CN Alanine, N-benzoyl-N-(3-chloro-4-fluorophenyl)- (CA INDEX NAME)



REFERENCE COUNT: 25 THERE ARE 25 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 9 OF 14 CAPLUS COPYRIGHT 2009 ACS on STN
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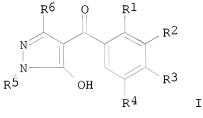


I

AB The invention relates to synergistic herbicidal mixts. containing at least one benzoylpyrazole derivative I [R1, R3 = H, halo, alkyl, alkyl halide, alkoxy, alkoxy halide, alkylthio, alkyl sulfinyl, or alkyl sulfonyl; R2= (un)substituted thiazole-2-yl, thiazole-4-yl, thiazole-5-yl, isoxazol-3-yl, isoxazol-4-yl, isoxazol-5-yl, 4,5-dihydroisoxazol-3-yl, 4,5-dihydroisoxazol-4-yl or 4,5-dihydroisoxazol-5-yl; R4 = H, halo or alkyl; R5 = alkyl; R6 = H or alkyl] or I salts and at least one herbicide from the group of acetyl CoA carboxylase inhibitors (ACC), acetolactate synthase inhibitors (ALS), amides, auxin herbicides, auxin transport inhibitors, carotenoid biosynthesis inhibitors, enolpyruvyl-shikimate-3-phosphate synthase inhibitors (ESPS), glutamine synthetase inhibitors, lipid biosynthesis inhibitors, mitosis inhibitors, protoporphyrinogen-IX-oxidase inhibitors, photosynthesis inhibitors, synergistic agents, growth substances, cell wall biosynthesis inhibitors and various other herbicides.

ACCESSION NUMBER: 1999:811030 CAPLUS
DOCUMENT NUMBER: 132:20093
TITLE: Synergistic herbicidal mixtures.
INVENTOR(S): Sievernich, Bernd; Landes, Max; Kibler, Elmar; Von Deyn, Wolfgang; Walter, Helmut; Otten, Martina; Westphalen, Karl-Otto; Vantieghem, Herve
PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 98 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
WO 9965314	A1	19991223	WO 1999-EP4055	19990612	<--
W: AL, AU, AZ, BG, BR, BY, CA, CN, CZ, EE, GE, HU, ID, IL, IN, JP, KG, KR, KZ, LT, LV, MK, MX, NO, NZ, PL, RO, RU, SG, SI, SK, TJ, TM, TR, UA, US, UZ, VN, ZA, AM, MD					
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE					
CA 2334955	A1	19991223	CA 1999-2334955	19990612	<--
AU 9946089	A	20000105	AU 1999-46089	19990612	<--
AU 758799	B2	20030327			
BR 9911313	A	20010313	BR 1999-11313	19990612	<--
EP 1087664	A1	20010404	EP 1999-929190	19990612	<--
EP 1087664	B1	20030528			
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO					
TR 200003752	T2	20010621	TR 2000-3752	19990612	<--
CN 1305346	A	20010725	CN 1999-807411	19990612	<--
CN 1186981	C	20050202			
HU 2001003418	A2	20020128	HU 2001-3418	19990612	<--
HU 2001003418	A3	20020429			
EE 200000754	A	20020415	EE 2000-754	19990612	<--
EE 4413	B1	20050215			
JP 2002518303	T	20020625	JP 2000-554204	19990612	<--
AT 241271	T	20030615	AT 1999-929190	19990612	<--
PT 1087664	T	20031031	PT 1999-929190	19990612	<--
NZ 508546	A	20031128	NZ 1999-508546	19990612	<--
ES 2200527	T3	20040301	ES 1999-929190	19990612	<--
CN 1593133	A	20050316	CN 2004-10057587	19990612	
IL 139905	A	20050925	IL 1999-139905	19990612	
SK 285058	B6	20060504	SK 2000-1812	19990612	
CN 1781371	A	20060607	CN 2005-10113886	19990612	
PL 197326	B1	20080331	PL 1999-345016	19990612	
CN 101176453	A	20080514	CN 2007-10084472	19990612	
CN 101176450	A	20080514	CN 2007-10084473	19990612	
TW 589141	B	20040601	TW 1999-88110055	19990616	<--
NO 2000006315	A	20001212	NO 2000-6315	20001212	<--
NO 326389	B1	20081124			
US 6534444	B1	20030318	US 2000-719429	20001212	<--
MX 2000012538	A	20011011	MX 2000-12538	20001215	<--
IN 2001CN00043	A	20050304	IN 2001-CN43	20010109	
BG 105144	A	20011231	BG 2001-105144	20010111	<--
BG 65202	B1	20070731			
ZA 2001000395	A	20020115	ZA 2001-395	20010115	<--
US 20030203819	A1	20031030	US 2003-349094	20030123	<--
US 6908883	B2	20050621			
US 20050239653	A1	20051027	US 2005-79431	20050314	

PRIORITY APPLN. INFO.:			
	DE 1998-19826431	A	19980616
	CN 1999-807411	A3	19990612
	CN 2004-10057587	A3	19990612
	WO 1999-EP4055	W	19990612
	US 2000-719429	A3	20001212
	US 2003-349094	A3	20030123

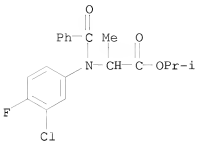
OTHER SOURCE(S): MARPAT 132:20093

IT 52756-22-6D, mixts. with benzoylpyrazole derivs.
52756-25-9D, mixts. with benzoylpyrazole derivs.
RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
(synergistic herbicides)

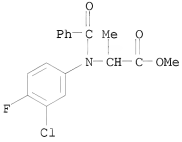
RN 52756-22-6 CAPLUS

CN Alanine, N-benzoyl-N-(3-chloro-4-fluorophenyl)-, 1-methylethyl ester (CA

INDEX NAME)



RN 52756-25-9 CAPLUS
CN Alanine, N-benzoyl-N-(3-chloro-4-fluorophenyl)-, methyl ester (CA INDEX NAME)



REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 10 OF 14 CAPLUS COPYRIGHT 2009 ACS on STN

AB The title composition comprises a protoporphyrinogen oxidase-inhibiting herbicide (fluazolate, thidiazimin, acifluorfen, aclonifen, bifenox, chloronitrophen, ethoxyfen, azafenidin, cinidon-Et, nipyraclofen, etc.) and a co-herbicide, such as a herbicide, fungicide, insecticide or acaricide. The compns. are usable against crops resistant to protoporphyrinogen oxidase inhibitors.

ACCESSION NUMBER: 1999:561821 CAPLUS
DOCUMENT NUMBER: 131:181119
TITLE: Synergistic herbicidal compositions
INVENTOR(S): Zoschke, Andreas; Nevill, David J.; Stehli, Andreas
PATENT ASSIGNEE(S): Novartis A.-G., Switz.
SOURCE: Ger. Offen., 44 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 4
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 19915013	A1	19990826	DE 1999-19915013	19990401 <--
CA 2347774	A1	20000518	CA 1999-2347774	19991108 <--
WO 2000027203	A1	20000518	WO 1999-EP8559	19991108 <--

W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,

MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK,
SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE,
DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF,
CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

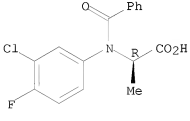
BR 9915141	A	20010807	BR 1999-15141	19991108	<--
EP 1128729	A1	20010905	EP 1999-971666	19991108	<--
EP 1128729	B1	20030521			
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO					
HU 200100427O	A2	20020328	HU 2001-4270	19991108	<--
HU 200100427O	A3	20020429			
JP 2002529379	T	20020910	JP 2000-580451	19991108	<--
AU 760278	B2	20030508	AU 2000-13814	19991108	<--
AT 240650	T	20030615	AT 1999-971666	19991108	<--
ES 2200595	T3	20040301	ES 1999-971666	19991108	<--
IN 2001CN00637	A	20050304	IN 2001-CN637	20010508	
MX 2001004693	A	20020311	MX 2001-4693	20010509	<--
US 20020004457	A1	20020110	US 2001-852484	20010510	<--

PRIORITY APPLN. INFO.:

DE 1998-19851854	A	19981110
DE 1998-19859224	A	19981221
DE 1999-19915013	A	19990401
DE 1999-19919951	A	19990430
WO 1999-EP8559	W	19991108

IT 90134-59-1D, Flamprop-M, mixts. with protoporphyrinogen oxidase inhibitors
RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
(synergistic herbicidal compns.)
RN 90134-59-1 CAPLUS
CN D-Alanine, N-benzoyl-N-(3-chloro-4-fluorophenyl)- (CA INDEX NAME)

Absolute stereochemistry.



L9 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2009 ACS on STN
AB The title compns., active against weeds resistant to herbicides which inhibit protoporphyrinogen oxidase, comprise a protoporphyrinogen oxidase-inhibiting herbicide, such as a di-Ph ether, imide, phenylpyrazole, fluazolate or thidiazimin, and a co-herbicide (atrazine, terbuthylazine, metolachlor, terbutryn, simazine, etc.). The herbicidal mixts. are useful in corn, sugar beet, soybean, rape, cotton, sunflower, cereals, rice and sugarcane.

ACCESSION NUMBER:	1999:311457 CAPLUS
DOCUMENT NUMBER:	130:307951
TITLE:	Synergistic herbicidal compositions
INVENTOR(S):	Nevill, David J.; Zoschke, Andreas; Stehli, Andreas
PATENT ASSIGNEE(S):	Novartis A.-G., Switz.
SOURCE:	Ger. Offen., 44 pp. CODEN: GWXXBX
DOCUMENT TYPE:	Patent
LANGUAGE:	German
FAMILY ACC. NUM. COUNT:	4

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
DE 19859224	A1	19990506	DE 1998-19859224	19981221	<--
CA 2347774	A1	20000518	CA 1999-2347774	19991108	<--
WO 2000027203	A1	20000518	WO 1999-EP8559	19991108	<--
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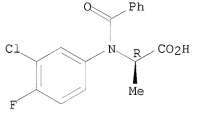
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG					
BR 9915141	A	20010807	BR 1999-15141	19991108	<--
EP 1128729	A1	20010905	EP 1999-971666	19991108	<--
EP 1128729	B1	20030521			
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO					
HU 2001004270	A2	20020328	HU 2001-4270	19991108	<--
HU 2001004270	A3	20020429			
JP 2002529379	T	20020910	JP 2000-580451	19991108	<--
AU 760278	B2	20030508	AU 2000-13814	19991108	<--
AT 240650	T	20030615	AT 1999-971666	19991108	<--
ES 2200595	T3	20040301	ES 1999-971666	19991108	<--
RU 2240001	C2	20041120	RU 2001-114981	19991108	<--
IN 2001CN00637	A	20050304	IN 2001-CN637	20010508	
MX 2001004693	A	20020311	MX 2001-4693	20010509	<--
US 20020004457	A1	20020110	US 2001-852484	20010510	<--

PRIORITY APPLN. INFO.:

DE 1998-19851854	A	19981110
DE 1998-19859224	A	19981221
DE 1999-19915013	A	19990401
DE 1999-19919951	A	19990430
WO 1999-EP8559	W	19991108

IT 90134-59-1D, Flamprop-M, mixts. with protoporphyrinogen oxidase inhibitors
RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
(synergistic herbicidal compns.)
RN 90134-59-1 CAPLUS
CN D-Alanine, N-benzoyl-N-(3-chloro-4-fluorophenyl)- (CA INDEX NAME)

Absolute stereochemistry.



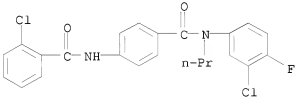
L9 ANSWER 12 OF 14 CAPLUS COPYRIGHT 2009 ACS on STN
AB R1R2AANCOR3AA [R1 = H, lower alkyl, lower alkenyl; R2AA = 5- or 6-membered (amide group-substituted) unsatd. heterocyclic ring residue containing 1 or 2 N, S, or O, (un)substituted Ph, etc.; R1R2AAN may form substituted condensed heterocyclic ring; R3AA = (un)substituted Ph, substituted (benzoylamino)phenyl, etc;] are prepared The amides are useful as vasodilators, diuretics, antiemetics, blood platelet aggregation

inhibitors, uterine smooth muscle relaxants, and hemostatics, and are useful for treatment of various diseases.
2-Chloro-4-pyrrolidylbenzoic acid was chlorinated and amidated with 5,6,7,8-tetrahydro-4H-furo[3,2-b]azepine to give the corresponding amide.

ACCESSION NUMBER: 1999:23255 CAPLUS
DOCUMENT NUMBER: 130:139333
TITLE: Preparation of amides as vasopressin antagonists, oxytocin antagonists, and vasopressin agonists
INVENTOR(S): Kondo, Kazumi; Yamashita, Hiroshi; Kitano, Kazuyoshi; Shinohara, Yuichi; Kan, Keizo; Ogawa, Hidenori; Mori, Toyoki
PATENT ASSIGNEE(S): Ohtsuka Pharmaceutical Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 72 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 11001456	A	19990106	JP 1997-156252	19970613 <--
PRIORITY APPLN. INFO.:			JP 1997-156252	19970613

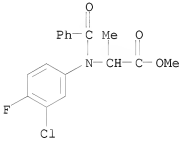
OTHER SOURCE(S): MARPAT 130:139333
IT 219988-59-7P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of amides as vasopressin antagonists, oxytocin antagonists, and vasopressin agonists)
RN 219988-59-7 CAPLUS
CN Benzamide, 4-[(2-chlorobenzoyl)amino]-N-(3-chloro-4-fluorophenyl)-N-propyl- (CA INDEX NAME)



L9 ANSWER 13 OF 14 CAPLUS COPYRIGHT 2009 ACS on STN
AB The spectrum of herbicide resistance was determined in an annual ryegrass (L. rigidum) biotype (SLR 3) that had been exposed to the grass herbicide sethoxydim, an inhibitor of the plastidic enzyme acetyl-CoA carboxylase (ACCase, EC 6.4.1.2), for three consecutive years. This biotype has an 18-fold resistance to sethoxydim and enhanced resistance to other cyclohexanedione herbicides compared with a susceptible biotype (VLR 1). The resistant biotype also has a 47- to >300-fold cross-resistance to the aryloxyphenoxypropanoate herbicides which share ACCase as a target site. No resistance is evident to herbicide with a target site different from ACCase. The absorption of [4-14C]sethoxydim, the rate of metabolic degradation and the nature of the herbicide metabolites are similar in the resistant and susceptible biotypes. While the total activity of the herbicide target enzyme ACCase is similar in exts. from the two biotypes, the kinetics of herbicide inhibition differ. The concns. of sethoxydim and tralkoxydim required to inhibit the activity of ACCase by 50% are 7.8 and >9.5 times higher, resp., in the resistant biotype. The activity of

ACCase from the resistant biotype was also less sensitive to aryloxyphenoxypropanode herbicides than the susceptible biotype. The spectrum of resistance at the whole-plant level is correlated with resistance at the ACCase level and confirms that a less sensitive form of the target enzyme endows resistance in biotype SLR 3.

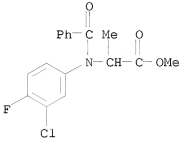
ACCESSION NUMBER: 1993:465595 CAPLUS
DOCUMENT NUMBER: 119:65595
ORIGINAL REFERENCE NO.: 119:11701a,11704a
TITLE: Occurrence of a herbicide-resistant acetyl-coenzyme A carboxylase mutant in annual ryegrass (Lolium rigidum) selected by sethoxydim
AUTHOR(S): Tardif, F. J.; Holtum, J. A. M.; Powles, S. B.
CORPORATE SOURCE: Waite Agric. Res. Inst., Univ. Adelaide, Glen Osmond, 5064, Australia
SOURCE: Planta (1993), 190(2), 176-81
CODEN: PLANAB; ISSN: 0032-0935
DOCUMENT TYPE: Journal
LANGUAGE: English
IT 52756-25-9, Flamprop-methyl
RL: BIOL (Biological study)
(annual ryegrass resistant to, acetyl-CoA carboxylase in relation to)
RN 52756-25-9 CAPLUS
CN Alanine, N-benzoyl-N-(3-chloro-4-fluorophenyl)-, methyl ester (CA INDEX NAME)



L9 ANSWER 14 OF 14 CAPLUS COPYRIGHT 2009 ACS on STN
AB Plant growth regulators (PGRs) were evaluated with regard to alfalfa quality parameters: acid detergent fiber (ADF), neutral detergent fiber (NDF), lignin, crude protein (CP), Ca, P, and dry matter (DM) yield. PGRs mefluidide and chlormequat were applied 28 and 49 days after initiation of alfalfa spring growth in 112 and 225 L ha-1 of water, whereas maleic hydrazide, ancymidol, paclobutrazol, daminozide, dicamba, 2,4-DB, MCPB, flamprop Me, carbofuran, accel and ethephon were applied 28 days after initiation of alfalfa spring growth in 112 L ha-1 water. Alfalfa ADF, NDF and lignin were significantly reduced in some trials by mefluidide, chlormequat, maleic hydrazide, dicamba, carbofuran and accel. Ancymidol and daminozide significantly increased fiber content and ancymidol significantly reduced the CP level. Carbofuran significantly increased CP, Ca, and P. Mefluidide had significant effects on Ca and DM yield, but the nature of these responses was not consistent. Rate of mefluidide applied and time of application had significant effects on CP values. A large environment-PGR interaction was indicated.

ACCESSION NUMBER: 1988:163219 CAPLUS
DOCUMENT NUMBER: 108:163219
ORIGINAL REFERENCE NO.: 108:26723a,26726a
TITLE: Effects of various plant growth regulators on the nutritive value and yield of alfalfa
AUTHOR(S): Buck, D. C.; Cohen, R. D. H.; Christensen, D. A.

CORPORATE SOURCE: Dep. Anim. Poult. Sci., Univ. Saskatchewan, Saskatoon, SK, S7N 0W0, Can.
SOURCE: Canadian Journal of Plant Science (1988), 68(1), 95-101
CODEN: CPLSAY; ISSN: 0008-4220
DOCUMENT TYPE: Journal
LANGUAGE: English
IT 52756-25-9, Flampropmethyl
RL: BIOL (Biological study)
(alfalfa nutritive value and yield response to)
RN 52756-25-9 CAPLUS
CN Alanine, N-benzoyl-N-(3-chloro-4-fluorophenyl)-, methyl ester (CA INDEX NAME)



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L3 334 SEA FILE=REGISTRY SSS FUL L1
L4 0 SEA FILE=REGISTRY SPE=ON PLU=ON L3 AND PY<=2004
L5 0 SEA FILE=REGISTRY SPE=ON PLU=ON L3 AND PY<2005

FILE 'CAPLUS' ENTERED AT 15:12:51 ON 16 JUN 2009
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L9 14 SEA FILE=CAPLUS SPE=ON PLU=ON L6 AND INHIBITOR
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FULL ESTIMATED COST	95.92	283.46

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-11.48	-11.48

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